Naval Aviation Systems

TEAM

NAVAIR Update: Logistics Information Systems Web Enablement Plan

27 June 01

Background

NAVAL AVIATION SYSTEMS TEAM

- Task Force Web: Navy-wide enablement by 2004
- Migrate systems to Navy Portal - 50 apps by Nov 2001
- Echelon 2 Orgs to establish Org & Programmatic plan

Goals

- Reduce multiple Databases
- Make easier, less costly to update
  - User Interfaces
  - Applications
  - Data
- Enable Business Process Efforts
- Eliminate unnecessary Complexity
- Implement Common 'Look &

NAVAIR Programmatic Approach for TFW

NAVAL AVIATION SYSTEMS TEAM

POA&M :

Awareness

- ✓ 3 May 2001
  - Establish NAVAIR TFW Team
- ✓ 4 May
  - Establish NAVAIR personnel as part of VCNO TFW Team
- ✓ 7 May
  - Recommend organizational approach to CIO
- ✓ 15 May
  - Release message to communicate our approach

Assessment- Begin assessment process

- ✓ 10 –19 May
  - Develop a Draft Implementation Plan
- ✓ 22 May
  - Brief VADM Dyer & ELC on requirements and Implementation Plan
- ✓ 7 June 2001
  - Draft Bref ready for VADM Dyer to report to VCNO, NAVAIR organizational and POA&M and
  - Address projected funding and POM04 requirements

NAVAIR TFW Assessment Process

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Awareness

- Build NAVAIR TFW Team
- Build Comms Plan
- ELC Briefings
- ID Key Application POCs

Assessment

- Develop NAVAIR TFW Assessment Process
- Work with App Owners on Web Enabled Timeline
- Ensure Documentation within Apps. Portfolio
- Ensure integration with other Navy Initiatives via filters

Validation

- Develop Validation Process for Apps Owners
- Track Metrics
- Continue Communication

Web-Enable Key Systems

- Web-Enable 3 KEY Systems for Portal
- Ensure Apps are migrated thru NAVAIR Corporate Portal

Implementat

- Ensure operational capability
- Ensure integration with other Navy Initiatives ongoing

FY 01 - FY 04

NAVAIR TFW Assessment Process

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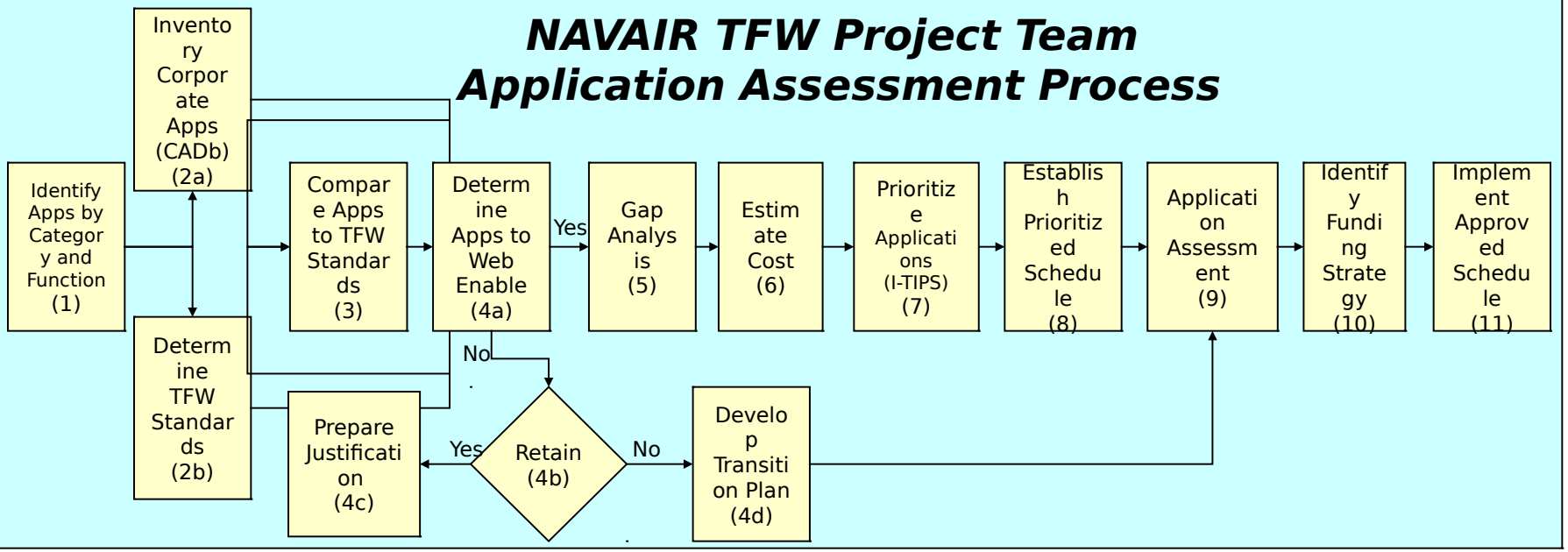
Awareness → **Assessment** → **Validation** → **Web-Enable Key Systems** → **Implementat**

NAVAIR TFW Project Team Application Assessment Process



Clinger-Cohen Compliance Process
NAVAIR's Approach for TFW

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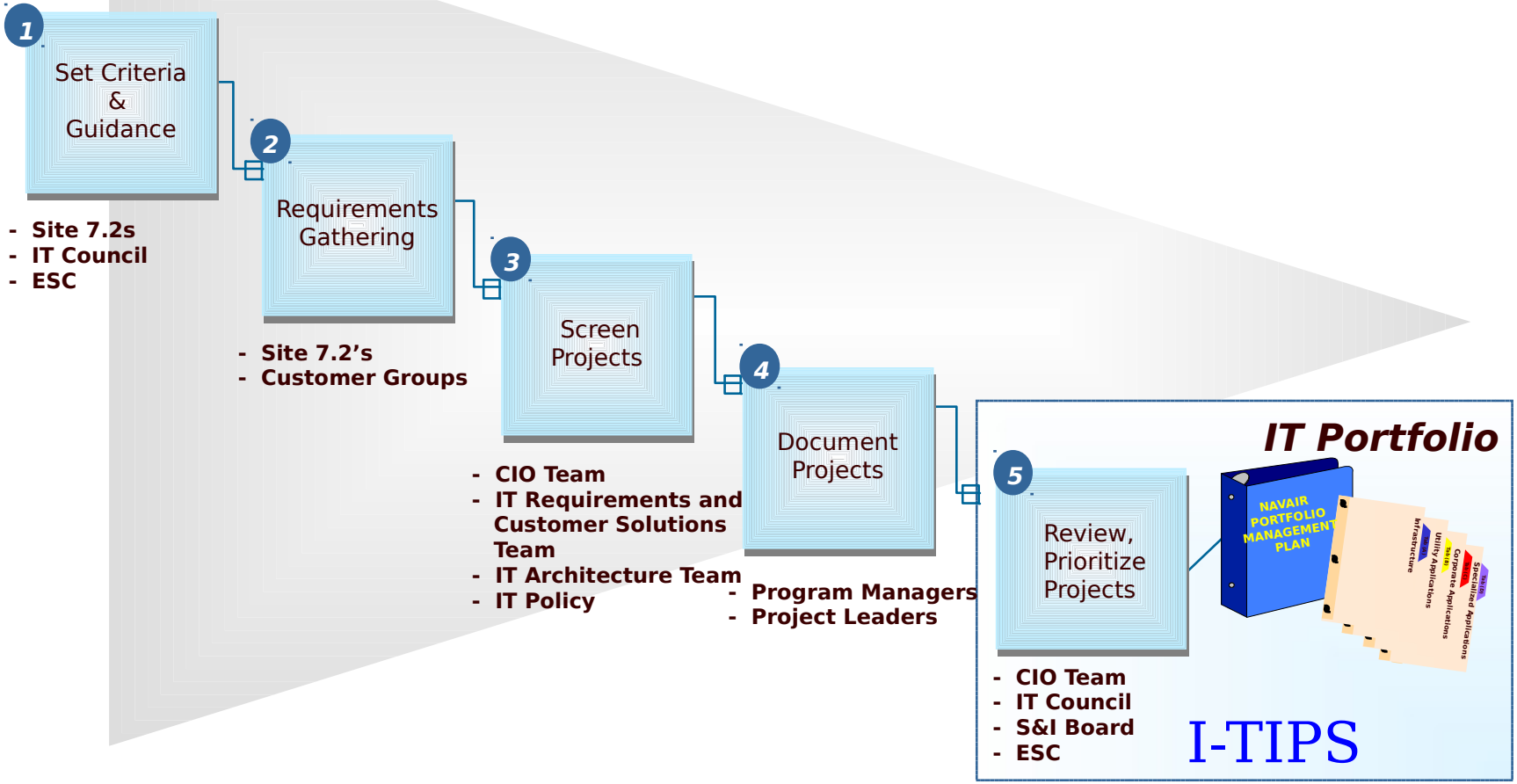

STEPS OF CIO IT PORTFOLIO MANAGEMENT PROCESS

Applications Portfolio

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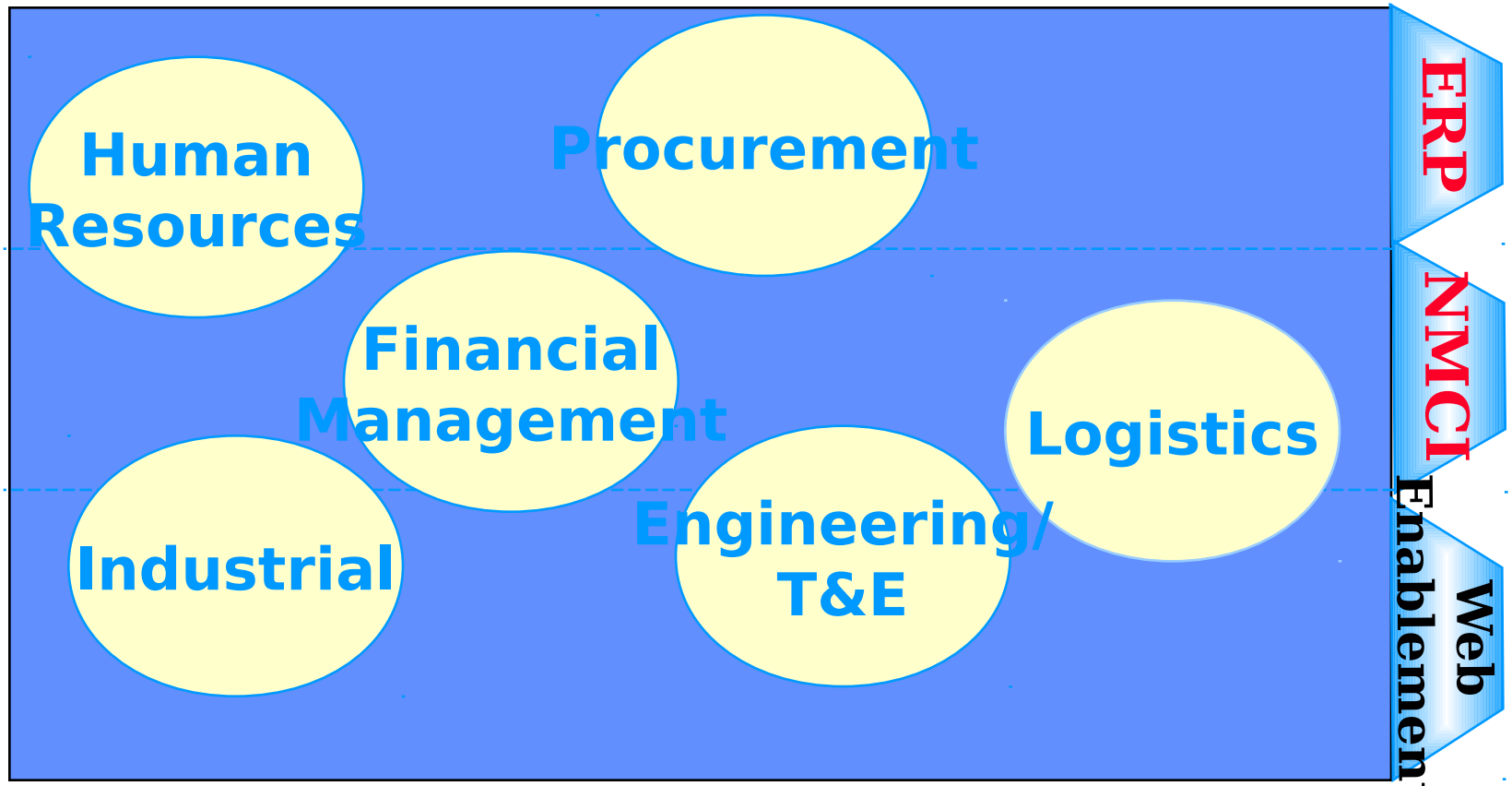

Managing applications in a portfolio approach creates integration opportunities and follows the law.

Selection Criteria

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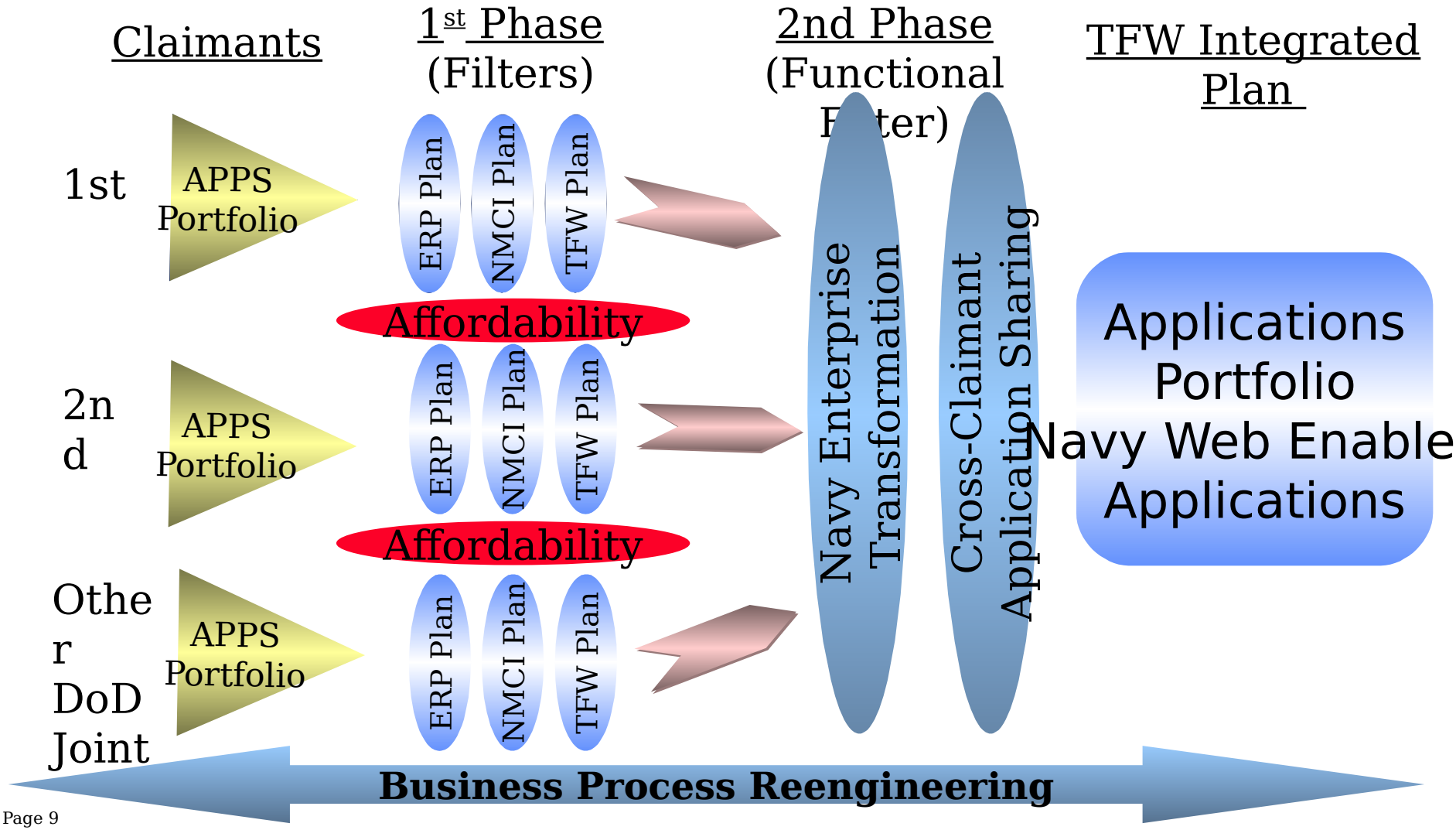
- ***The systems/applications prioritized for web enablement will be based on the following criteria:***
  - ***Fleet support***
  - ***Corporate or Joint***
  - ***Application Complexity (based on NMCI)***
  - ***Compliant with the Task Force (TF) Whiskey/Web Standards and Guidelines***
  - ***Functional/Process need***
  - ***Whether or not it is cost effective to web enable it based on user roles/access***

Filtering the Applications Portfolio



Integrated Plan – Step 1
ERP Filter

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ERP Plan

ERP is designed to create a streamlined transaction environment that will result in the reduction of transactions/reporting systems for a majority of our Corporate Data

Filter:

- ERP Legacy Retirement Map
- ERP Implementation Plan
- ERP Sunset Process

Integrated Plan – Step 2
NMCI Filter

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NMCI Plan

NMCI is designed to ensure a common operating environment with a reliable service provider enabling Windows 2000 compliancy with improved security architecture.

Filter:

- NMCI Matrix
- NMCI Implementation Plan
- NMCI Tiered Process

Integrated Plan – Step 3
TFW Filter

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TFW Plan

TFW Assessment Process will ensure an integrated Web-Enablement of our applications and will build upon the other portfolio filters.

Filter:

- TFW Three Tier Focus
- TFW Three Tier Architecture View
- TFW Implementation Plan
- NAVAIR TFW Assessment Process

TFW Data Collection

Placeholder

Command	System	Date that system will be ready for migration to a Web Environment	XML Capable	HTML Capable	ROM to make Portal Compliant	HTML/XML Interface Develop-ment Required	ROM for Interface Develop-ment	Thin Client Software Required	Machine Dependent
NAVAIR	PFSA	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
NAVAIR	NALDA II	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAVAIR	AWIS	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
NAVAIR	LORA	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
NAVAIR	AV3M REPORTS	COMPLETE	TBD	YES	TBD	TBD	TBD	TBD	TBD
NAVAIR	AEMS	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
NAVAIR	LMDSS	COMPLETE	TBD	YES	TBD	TBD	TBD	TBD	TBD
NAVAIR	MODMIS	COMPLETE	TBD	YES	TBD	TBD	TBD	TBD	TBD
NAVAIR	ATCM	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Command	System	ROM for Develop-ment Cost	Security Class	Single Sign on capable ?	PKI Enabled ?	Cost for full PKI	Database accessed	Part or whole duplicative of another system	If duplicative systems. Recommended offset
NAVAIR	PFSA	TBD	SBU	TBD	TBD	TBD	ORACLE 8I	TBD	TBD
NAVAIR	NALDA II	N/A	N/A	N/A	N/A	N/A	N/A	TBD	TBD
NAVAIR	AWIS	TBD	SBU	TBD	TBD	TBD	ORACLE 8I	TBD	TBD
NAVAIR	LORA	TBD	SBU	TBD	TBD	TBD	TBD	TBD	TBD
NAVAIR	AV3M REPORTS	TBD	SBU	TBD	TBD	TBD	N/A	TBD	TBD
NAVAIR	AEMS	TBD	SBU	TBD	TBD	TBD	ORACLE 8I	TBD	TBD
NAVAIR	LMDSS	TBD	SBU	TBD	TBD	TBD	ORACLE 7.3.4	TBD	TBD
NAVAIR	MODMIS	TBD	SBU	TBD	TBD	TBD	ORACLE 8I	TBD	TBD
NAVAIR	ATCM	TBD	SBU	TBD	TBD	TBD	ORACLE 8I	TBD	TBD

Logistics Information Systems Focus on TFW

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- **Logistics Process Requirements**
  - **Acquisition community**
    - Integrated Logistics Support elements including In-Service Support
    - Configuration Management and Baseline Management
  - **Levels of Maintenance**
    - Performance, cost, readiness
    - License plate information, custody
    - Life-limit meters, maintenance history
  - **Emerging requirement for ELVIS (Enterprise Level Visibility [of assets])**
- **Striving to meet Joint Vision 2020**
- **Migration of Logistics Information Systems**

Integrated Plan - Step 4
Navy Logistics Filter

1. Functional requirements. Actively engage with the Fleet, process and system owners in determining functional requirements. These requirements should be based on best business processes. Efforts to web-enable logistics systems and applications should be coordinated across the Navy's logistics community with a goal of sharing systems/applications for common functions to promote integrated processes and data environments, and to optimize investment.

2. Enterprise integration. Ensure that logistic data elements (such as training development, configuration data, technical manuals, technical drawings, etc.) and their respective systems and applications can be seamlessly accessed and utilized with a minimum of software interfaces. Integrating logistics processes through enterprise integration is a critical part of achieving full interoperability.

3. Information sharing. Make information (data, knowledge, and tool sets) easily available to all authorized users. Information sharing allows the discovery and creation of information once but shared (used and re-used) many times. Information should be treated as an enterprise-wide asset, not a commodity to be hoarded or sold.

4. Re-engineer processes. Incorporate flexibility into existing legacy processes to maximize the benefits of innovative web-enabling technologies. To web-enable a system or application without re-engineering its' business processes fails to obtain the full potential of web-enabling technologies.

5. Standard business practices. Modify current business processes to incorporate the best business practices. COTS software modules support standard business practices - practices that may be in conflict with current Navy business practices. Navy must focus

NAVAIR TFW Concerns

- Funding
  - DON CIO and CNO N6 have made it clear that this is not a "new start”
  - Funding will be a zero sum game
- Multi-level security
- Bandwidth adequacy
- Creating a Technical Architecture and Business Model that will allow existing web efforts to migrate into Task Force Web
- Understanding the cost/value of having NMCI or other providers involved
- Insure a COTS approach, choosing industry leaders where ever possible
- Hopes of creating a flexible implementation infrastructure that is based on business processes and organizational roles.
- Portal must be based on industry standards (XML, ASP) and link into NAVY initiatives such as ERP
- Use of IV&V such as Gartner and Meta group
- Build the Criteria where web accessibility is not the answer

Summary

- **Logistics Competency is a working TEAM member supporting NAVAIR CIO TFW processes**
- **Using GCSS / NMCI as ‘Backbone’**
- **Consolidating to 3 primary Input Systems**
  (Web-enabled by end of FY04)
  - NTCSS - OOMA
  - CMIS
  - Navy ERP
- **Using JEDMICS, JCALS, JATDI, and TMAPS for Tech Data storage and delivery**
- **Using NAVAIR Corporate / Navy Portal as ‘Face to the Fleet’**
- **Have added JATDI to the Navy Portal Key Init List**

Followup?

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